Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/20/2017 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124815	-1	1.43	124656	1.42
Blue	F	SSC	125000	124566	-1	3.12	124869	2.89
Blue	E	FITC	23615	22943	-3	2.44	1025	9.90
Blue	D	PE	26739	26466	-2	2.08	950	10.05
Blue	B	PerCP-Cy5-5	48339	47396	-2	3.40	1358	16.99
Blue	A	PE-Cy7	45021	44137	-2	5.23	684	35.76
Red	C	APC	53064	52205	-2	2.84	3002	9.64
Red	A	APC-Cy7	57175	56756	-1	2.81	1184	11.48
Violet	B	V450	14728	14040	-5	5.03	671	9.91
Violet	A	V500	58621	56234	-5	4.95	2489	7.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19582	2.45	608	-6	N/A	N/A	Pass
Blue	F	SSC	61589	1.42	545	-1	N/A	N/A	Pass
Blue	E	FITC	114	38.37	544	-4	0.0225	172	Pass
Blue	D	PE	208	29.65	535	-1	0.1518	236	Pass
Blue	B	PerCP-Cy5-5	214	44.48	633	-2	0.0100	75	Pass
Blue	A	PE-Cy7	72	123.55	691	-2	0.0117	18	Pass
Red	C	APC	349	28.45	599	2	0.0196	79	Pass
Red	A	APC-Cy7	130	41.41	582	2	0.0052	1649	Pass
Violet	B	V450	82	43.10	463	-7	0.0391	1634	Pass
Violet	A	V500	181	21.85	490	-7	0.0148	202	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.00	0.96
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	16.26	14.40 - 21.60	N/A	N/A	30.64	31.23	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11546

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments